



WEB OF KNOWLEDGE™ | DISCOVERY STARTS HERE

[Sign In](#) | [Marked List \(0\)](#) | [My ResearcherID](#) | [My Citation Alerts](#) | [My Journal List](#) | [My Saved Searches](#) | [Log Out](#) | [Help](#)

All Databases		Select a Database		Derwent Innovations Index		Additional Resources
Search	Cited Patent Search	Compound Search	Advanced Search	Search History	Compound Marked List (0)	

Derwent Innovations IndexSM[<< Back to results list](#)

Record 1 of 1

Record from Derwent Innovations IndexSM[Original](#)

Save to:

[EndNote](#)[ResearcherID](#)[more options](#)

Starch hydrolysate prepn. rich in maltose - by hydrolysis of cereal enzyme extract, using alpha-amylase

Patent Number(s): ~DE4125971-A1**Inventor(s):** SCHIRNER R, ROICK T, MAEDER A, KRAUSE A**Patent Assignee Name(s) and Code(s):** CERESAN GMBH MARKRANSTAEDT (CERE-Non-standard)**Derwent Primary Accession Number:** 1993-053660 []

Abstract: In prepn. of a starch hydrolysate rich in maltose, a native cereal enzyme extract, rich in protein and minerals, is hydrolysed in admixture with a starch suspension in a ratio of 1:2-10 wt.% and a dry matter content of 5-42 wt., with moderate stirring and for 0.3-4 h, with addn. of an alpha-amylase and utilisation of the natural cereal beta-amylase present in the medium. Hydrolysis is at 45-67 deg.C and pH 4.5-6.8 to 45-50 dextrose equiv. units.

USE/ADVANTAGE-A 1-stage process avoids starch liquefaction, and gives a shorter reaction time. 85-92 wt.% of the carbohydrate is maltose, 7-13% is maltotriose and 1-3% is glucose. The hydrolysate is an additive for food compns. and a material for biotechnological processes, and prodn. of maltose syrup.

[Show Documentation Abstract](#)**International Patent Classification:** C07H-003/02; C07H-003/06; C12P-019/14; C12P-019/22; C13K-001/06**Derwent Class Code(s):** D13 (Other foodstuffs and treatment); D16 (Fermentation industry); D17 (Sugar and starch industry)**Derwent Manual Code(s):** D05-A02C; D05-C08; D06-G; D06-H01**Patent Details:**

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
~DE4125971-A1	11 Feb 1993	C12P-019/22	199307	Pages: 4	

Additional information**Suggest a correction**

If you would like to improve the quality of the data in this record, please suggest a correction.

Application Details:

-DE4125971-A1	DE4125971	06 Aug 1991
---------------	-----------	-------------

Priority Application Information and Date:

DE4125971	06 Aug 1991
-----------	-------------

[<< Back to results list](#)

Record 1 of 1

Record from **Derwent Innovations Index** SM

Output Record

Step 1:

☐ Patent Number, Title, Assignees, Inventors☐ plus Abstract☒ Full Record

Step 2: [How do I export to bibliographic management software?]



Save to:

EndNote

ResearcherID

Save to other Reference Software

Save

(0)

View in:

[简体中文](#)[English](#)[日本語](#)

© 2011 Thomson Reuters

[Acceptable Use Policy](#)[Please give us your feedback on using Web of Knowledge.](#)